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Breaux, N.; Chu, C.-H.H.;
Image Processing, 1999. ICIP 99. Proceedings. 1999 International Conference on
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Digital Object Identifier 10.1109/ICIP.1999.817185

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Yining Deng; Manjunath, B.S.;
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Circuits and Systems, 1997. ISCAS '97., Proceedings of 1997 IEEE International Symposium on
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☐   2. **A Simple Approximation for Minimum Mean-Square Error Symmetric Uniform Quantization**
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Gutman, M.;
Information Theory, IEEE Transactions on
Volume 33, Issue 1, Jan 1987 Page(s):169 - 171
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☐   4. **Validity of uniform quantization error model for sinusoidal signals without and with dither**
Wagdy, M.F.; Ng, W.-M.;
Instrumentation and Measurement, IEEE Transactions on
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Digital Object Identifier 10.1109/19.32180
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☐   5. **Time-domain properties of instantaneous uniform quantization**
Blumberg, L.M.;
Circuits and Systems II: Analog and Digital Signal Processing, IEEE Transactions on [see also
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Volume 40, Issue 12, Dec. 1993 Page(s):767 - 776
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☐   6. **Comparison of perceptually uniform quantisation with average error minimisation in image transform coding**
Malo, J.; Ferri, F.J.; Albert, J.; Soret, J.;
Electronics Letters
Volume 35, Issue 13, 24 June 1999 Page(s):1067 - 1068
Digital Object Identifier 10.1049/el:19990715

☐   **7. Modifications of uniform quantization applied in wavelet coder**
Przelaskowski, A.;
Data Compression Conference, 2000. Proceedings. DCC 2000
28-30 March 2000 Page(s):293 - 302
Digital Object Identifier 10.1109/DCC.2000.838169

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☐   **8. A fast noise-scaling algorithm for uniform quantization in audio coding schemes**
Serantes, C.A.; Pena, A.S.; Prelcic, N.G.;
Acoustics, Speech, and Signal Processing, 1997. ICASSP-97., 1997 IEEE International
Conference on
Volume 1, 21-24 April 1997 Page(s):339 - 342 vol.1
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1 Image similarity search systems: A compact and efficient image retrieval approach based on border/interior pixel classification

Renato O. Stehling, Mario A. Nascimento, Alexandre X. Falcão

November 2002 **Proceedings of the eleventh international conference on Information and knowledge management**

Full text available: [pdf](890.44 KB)   Additional Information: full citation, abstract, references, citings, index terms

This paper presents \bic (*Border/Interior* pixel *Classification*), a compact and efficient CBIR approach suitable for broad image domains. It has three main components: (1) a simple and powerful image analysis algorithm that classifies image pixels as either border or interior, (2) a new logarithmic distance (*dLog*) for comparing histograms, and (3) a compact representation for the visual features extracted from images. Experimental results show that the *BIC* appro ...

Keywords: CBIR, color histogram, content-based image retrieval, distance function, image analysis

2 Learning I: An user preference information based kernel for SVM active learning in content-based image retrieval

Hua Xie, Antonio Ortega

October 2004 **Proceedings of the 6th ACM SIGMM international workshop on Multimedia information retrieval**

Full text available: [pdf](170.72 KB)   Additional Information: full citation, abstract, references, index terms

Relevance feedback is a critical component for content-based retrieval systems. Effective learning algorithms are needed to accurately and quickly capture the user's query concept, under the daunting challenges of high dimensional data and small number of training samples. It has been shown that support vector machines (SVMs) can be used to conduct effective relevance feedback in content-based image retrieval. Most recent work along these lines has focused on how to customize SVM classificati ...

Keywords: kernel, probabilistic, relevance feedback, support vector machines

3 <u>Comparing images using color coherence vectors</u>
Greg Pass, Ramin Zabih, Justin Miller
February 1997 **Proceedings of the fourth ACM international conference on Multimedia**

Full text available: 📄 pdf(2.03 MB)   Additional Information: full citation, references, citings, index terms

Keywords: color histograms, content-based image retrieval, processing

4 <u>Multimedia Processing: Supporting audiovisual query using dynamic programming</u>
Milind R. Naphade, Roy Wang, Thomas S. Huang
October 2001 **Proceedings of the ninth ACM international conference on Multimedia**

Full text available: 📄 pdf(2.79 MB)   Additional Information: full citation, abstract, references, index terms

A necessary capability for content-based retrieval is to support the paradigm of query by example. Most systems for video retrieval support queries using image sequences only. We present an algorithm for matching multimodal (audio-visual) patterns for the purpose of content-based video retrieval. The novel ability of our approach to use the information content in multiple media coupled with a strong emphasis on temporal similarity differentiates it from the state-of-the-art in content-based retr ...

Keywords: dynamic programming, nonlinear warping, relevance feedback, video retrieval

5 <u>Video I: Fast and robust short video clip search using an index structure</u>
Junsong Yuan, Ling-Yu Duan, Qi Tian, Changsheng Xu
October 2004 **Proceedings of the 6th ACM SIGMM international workshop on Multimedia information retrieval**

Full text available: 📄 pdf(339.97 KB)   Additional Information: full citation, abstract, references, index terms

In this paper, we present an index structure-based method to fast and robustly search short video clips in large video collections. First we temporally segment a given long video stream into overlapped matching windows, then map extracted features from the windows into points in a high dimensional feature space, and construct index structures for these feature points for querying process. Different from linear-scan similarity matching methods, querying process can be accelerated by spatial pr ...

Keywords: fast query, spatial-temporal feature, video content identification, video similarity search

6 <u>Mixed analog-digital design: On the dynamic behavior of a novel digital-only sigma–delta A/D converter</u>
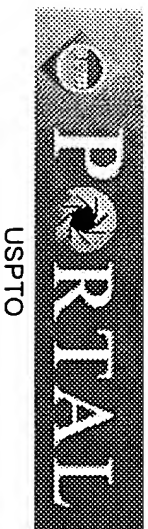Marcel Jacomet, Josef Goette, Venanz Zbinden, Christian Narvaez
September 2004 **Proceedings of the 17th symposium on Integrated circuits and system design**

Full text available: 📄 pdf(293.94 KB)   Additional Information: full citation, abstract, references, index terms

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1 Theory of keyblock-based image retrieval

April 2002   **ACM Transactions on Information Systems (TOIS)**, Volume 20 Issue 2

Full text available: 🔲 pdf(2.14 MB)   Additional Information: full citation, abstract, references, citings, index terms, review

The success of text-based retrieval motivates us to investigate analogous techniques which can support the querying and browsing of image data. However, images differ significantly from text both syntactically and semantically in their mode of representing and expressing information. Thus, the generalization of information retrieval from the text domain to the image domain is non-trivial. This paper presents a framework for information retrieval in the image domain which supports content-based q ...

Keywords: clustering, codebook, content-based image retrieval, keyblock

■■■

2 Double Integration Using One-Dimensional Adaptive Quadrature Routines: A Software Interface Problem

F. N. Fritsch, D. K. Kahaner, J. N. Lyness
March 1981   **ACM Transactions on Mathematical Software (TOMS)**, Volume 7 Issue 1

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3 Polygon triangulation in O(n log log n) time with simple data-structures
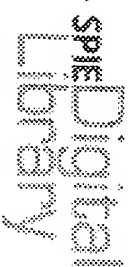
David G. Kirkpatrick, Maria M. Klawe, Robert E. Tarjan
May 1990   **Proceedings of the sixth annual symposium on Computational geometry**

Full text available: 🔲 pdf(1.02 MB)   Additional Information: full citation, abstract, references, citings, index terms

We give a new &Ogr;(n log log n)-time deterministic linear-time algorithm for triangulating simple n-vertex polygons, which avoids the use of complicated data-structures. In addition, for polygons whose vertices have integer coordinates of polynomially bounded size, the algorithm can be modified to run in &Ogr;(n log* n) time. The major new techniques e ...

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77%   1. ☐   **Color distribution analysis and quantization for image retrieval**
            Xia Wan and C.-C. Jay Kuo
            Proc. SPIE Int. Soc. Opt. Eng. **2670**, 8 (1996)   **Full Text:** [PDF (305 kB)   ]   (9 pages)

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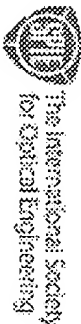   Markus A. Stricker and Markus Orengo
        Proc. SPIE Int. Soc. Opt. Eng. **2420**, 381 (1995) **Full Text:** [PDF (423 kB)] (12 pages)
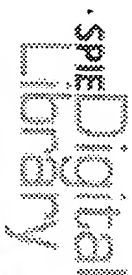
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HongJiang Zhang, Yihong Gong, Chien Y. Low, and Stephen W. Smoliar
Proc. SPIE Int. Soc. Opt. Eng. **2606,** 212 (1995)   **Full Text:** [PDF (316 kB)]   (9 pages)

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